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UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 C.F.R. 1.53(b))

Attorney Docket No. 004814.00003

First Inventor Harry Yu

Title Multi-layer Cell Encapsulation for Tissue Engineering

Express Mail Label No.

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

- Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
- Applicant claims small entity status.
See 37 CFR 1.27.
- Specification [Total Pages 34]
(preferred arrangement set forth below)
 - Descriptive title of the Invention
 - Cross References to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
- Drawing(s) (35 U.S.C. 113) [Total Sheets 3]
- Oath or Declaration [Total Pages]
 a. Newly executed (original or copy)
 b. Copy from a prior application (37 CFR 1.63 (d))
 (for a continuation/divisional with Box 18 completed)
 - i. **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
- Application Data Sheet. See 37 CFR 1.76

ADDRESS TO:

Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
 - a. Computer Readable Form (CRF)
 - b. Specification Sequence Listing on:
 - i. CD-ROM or CD-R (2 copies); or
 - ii. paper
 - c. Statements verifying identity of above copies

ACCOMPANYING APPLICATIONS PARTS

9. Assignment Papers (cover sheet & document(s))
10. 37 C.F.R. §3.73(b) Statement Power of Attorney (when there is an assignee)
11. English Translation Document (if applicable)
12. Information Disclosure Statement (IDS)/PTO-1449 Copies of IDS Citations
13. Preliminary Amendment
14. Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
15. Certified Copy of Priority Document(s) (if foreign priority is claimed)
16. Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. Other: _____

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

 Continuation Divisional Continuation-in-part (CIP)

of prior application No: _____ / _____

Group / Art Unit: _____

Prior application information: Examiner _____

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

17. CORRESPONDENCE ADDRESS

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	PATENT TRADEMARK OFFICE		
Address			
City	State	Zip Code	
Country	Telephone	Fax	

Name (Print/Type)

Paul M. Rivard

Registration No. (Attorney/Agent)

43,446

Signature

Date

October 12, 2001

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

10/12/01
1059 U.S. PTO
09/975213

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FEE TRANSMITTAL for FY 2001

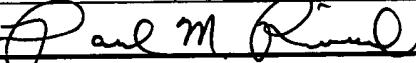
Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$ 1244)

Complete if Known	
Application Number	TBA
Filing Date	10/12/01
First Named Inventor	Hanny Yu
Examiner Name	TBA
Group / Art Unit	TBA
Attorney Docket No.	004814.00003

METHOD OF PAYMENT (check one)				FEE CALCULATION (continued)																																																																																																																																																																																													
<p>1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:</p> <p>Deposit Account Number <input type="text" value="19-0733"/></p> <p>Deposit Account Name <input type="text" value="Banner & Witcoff"/></p> <p><input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17</p> <p><input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27</p>				<p>3. ADDITIONAL FEES</p> <table border="1"> <thead> <tr> <th>Fee Code</th> <th>Large Entity Fee (\$)</th> <th>Fee Code</th> <th>Small Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>105</td><td>130</td><td>205</td><td>65</td><td>Surcharge - late filing fee or oath</td><td><input type="checkbox"/></td></tr> <tr><td>127</td><td>50</td><td>227</td><td>25</td><td>Surcharge - late provisional filing fee or cover sheet</td><td><input type="checkbox"/></td></tr> <tr><td>139</td><td>130</td><td>139</td><td>130</td><td>Non-English specification</td><td><input type="checkbox"/></td></tr> <tr><td>147</td><td>2,520</td><td>147</td><td>2,520</td><td>For filing a request for reexamination</td><td><input type="checkbox"/></td></tr> <tr><td>112</td><td>920*</td><td>112</td><td>920*</td><td>Requesting publication of SIR prior to Examiner action</td><td><input type="checkbox"/></td></tr> <tr><td>113</td><td>1,840*</td><td>113</td><td>1,840*</td><td>Requesting publication of SIR after Examiner action</td><td><input type="checkbox"/></td></tr> <tr><td>115</td><td>110</td><td>215</td><td>55</td><td>Extension for reply within first month</td><td><input type="checkbox"/></td></tr> <tr><td>116</td><td>390</td><td>216</td><td>195</td><td>Extension for reply within second month</td><td><input type="checkbox"/></td></tr> <tr><td>117</td><td>890</td><td>217</td><td>445</td><td>Extension for reply within third month</td><td><input type="checkbox"/></td></tr> <tr><td>118</td><td>1,390</td><td>218</td><td>695</td><td>Extension for reply within fourth month</td><td><input type="checkbox"/></td></tr> <tr><td>128</td><td>1,890</td><td>228</td><td>945</td><td>Extension for reply within fifth month</td><td><input type="checkbox"/></td></tr> <tr><td>119</td><td>310</td><td>219</td><td>155</td><td>Notice of Appeal</td><td><input type="checkbox"/></td></tr> <tr><td>120</td><td>310</td><td>220</td><td>155</td><td>Filing a brief in support of an appeal</td><td><input type="checkbox"/></td></tr> <tr><td>121</td><td>270</td><td>221</td><td>135</td><td>Request for oral hearing</td><td><input type="checkbox"/></td></tr> <tr><td>138</td><td>1,510</td><td>138</td><td>1,510</td><td>Petition to institute a public use proceeding</td><td><input type="checkbox"/></td></tr> <tr><td>140</td><td>110</td><td>240</td><td>55</td><td>Petition to revive – unavoidable</td><td><input type="checkbox"/></td></tr> <tr><td>141</td><td>1,240</td><td>241</td><td>620</td><td>Petition to revive – unintentional</td><td><input type="checkbox"/></td></tr> <tr><td>142</td><td>1,240</td><td>242</td><td>620</td><td>Utility issue fee (or reissue)</td><td><input type="checkbox"/></td></tr> <tr><td>143</td><td>440</td><td>243</td><td>220</td><td>Design issue fee</td><td><input type="checkbox"/></td></tr> <tr><td>144</td><td>600</td><td>244</td><td>300</td><td>Plant issue fee</td><td><input type="checkbox"/></td></tr> <tr><td>122</td><td>130</td><td>122</td><td>130</td><td>Petitions to the Commissioner</td><td><input type="checkbox"/></td></tr> <tr><td>123</td><td>130</td><td>123</td><td>130</td><td>Petitions related to provisional applications</td><td><input type="checkbox"/></td></tr> <tr><td>126</td><td>180</td><td>126</td><td>180</td><td>Submission of Information Disclosure Stmt</td><td><input type="checkbox"/></td></tr> <tr><td>581</td><td>40</td><td>581</td><td>40</td><td>Recording each patent assignment per property (times number of properties)</td><td><input type="checkbox"/></td></tr> <tr><td>146</td><td>710</td><td>246</td><td>355</td><td>Filing a submission after final rejection (37 CFR § 1.129(a))</td><td><input type="checkbox"/></td></tr> <tr><td>149</td><td>710</td><td>249</td><td>355</td><td>For each additional invention to be examined (37 CFR § 1.129(b))</td><td><input type="checkbox"/></td></tr> <tr><td>179</td><td>710</td><td>279</td><td>355</td><td>Request for Continued Examination (RCE)</td><td><input type="checkbox"/></td></tr> <tr><td>169</td><td>900</td><td>169</td><td>900</td><td>Request for expedited examination of a design application</td><td><input type="checkbox"/></td></tr> <tr> <td colspan="6">Other fee (specify) _____</td> </tr> <tr> <td colspan="4">*Reduced by Basic Filing Fee Paid</td> <td colspan="2">SUBTOTAL (3) <input type="text" value="(\$ 0)"/></td> </tr> </tbody> </table>				Fee Code	Large Entity Fee (\$)	Fee Code	Small Entity Fee (\$)	Fee Description	Fee Paid	105	130	205	65	Surcharge - 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<p>Total Claims <input type="text" value="34"/> -20** = <input type="text" value="14"/> X <input style="border: 1px solid black; padding: 2px;" type="text" value="18"/> = <input type="text" value="252"/></p> <p>Independent Claims <input type="text" value="6"/> -3** = <input type="text" value="3"/> X <input style="border: 1px solid black; padding: 2px;" type="text" value="84"/> = <input type="text" value="252"/></p> <p>Multiple Dependent <input type="text" value="0"/> X <input style="border: 1px solid black; padding: 2px;" type="text" value="0"/> = <input type="text" value="0"/></p> <p>Large Entity Small Entity</p> <table border="1"> <thead> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>101</td><td>740</td><td>201</td><td>355</td><td>Utility filing fee</td><td><input type="text" value="740"/></td></tr> <tr><td>106</td><td>320</td><td>206</td><td>160</td><td>Design filing fee</td><td><input type="checkbox"/></td></tr> <tr><td>107</td><td>490</td><td>207</td><td>245</td><td>Plant filing fee</td><td><input type="checkbox"/></td></tr> <tr><td>108</td><td>710</td><td>208</td><td>355</td><td>Reissue filing fee</td><td><input type="checkbox"/></td></tr> <tr><td>114</td><td>150</td><td>214</td><td>75</td><td>Provisional filing fee</td><td><input type="checkbox"/></td></tr> </tbody> </table> <p>SUBTOTAL (1) <input type="text" value="(\$ 740)"/></p> <p>2. EXTRA CLAIM FEES</p> <table border="1"> <thead> <tr> <th>Total Claims</th> <th>Extra Claims</th> <th>Fee from below</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>34</td><td>14</td><td>X 18</td><td>= 252</td></tr> <tr><td>6</td><td>3</td><td>X 84</td><td>= 252</td></tr> <tr><td></td><td></td><td>X 0</td><td>= 0</td></tr> </tbody> </table> <p>Large Entity Small Entity</p> <table border="1"> <thead> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>103</td><td>18</td><td>203</td><td>9</td><td>Claims in excess of 20</td><td><input type="checkbox"/></td></tr> <tr><td>102</td><td>84</td><td>202</td><td>40</td><td>Independent claims in excess of 3</td><td><input type="checkbox"/></td></tr> <tr><td>104</td><td>270</td><td>204</td><td>135</td><td>Multiple dependent claim, if not paid</td><td><input type="checkbox"/></td></tr> <tr><td>109</td><td>80</td><td>209</td><td>40</td><td>** Reissue independent claims over original patent</td><td><input type="checkbox"/></td></tr> <tr><td>110</td><td>18</td><td>210</td><td>9</td><td>** Reissue claims in excess of 20 and over original patent</td><td><input type="checkbox"/></td></tr> </tbody> </table> <p>SUBTOTAL (2) <input type="text" value="(\$ 504)"/></p>				Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid	101	740	201	355	Utility filing fee	<input type="text" value="740"/>	106	320	206	160	Design filing fee	<input type="checkbox"/>	107	490	207	245	Plant filing fee	<input type="checkbox"/>	108	710	208	355	Reissue filing fee	<input type="checkbox"/>	114	150	214	75	Provisional filing fee	<input type="checkbox"/>	Total Claims	Extra Claims	Fee from below	Fee Paid	34	14	X 18	= 252	6	3	X 84	= 252			X 0	= 0	Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid	103	18	203	9	Claims in excess of 20	<input type="checkbox"/>	102	84	202	40	Independent claims in excess of 3	<input type="checkbox"/>	104	270	204	135	Multiple dependent claim, if not paid	<input type="checkbox"/>	109	80	209	40	** Reissue independent claims over original patent	<input type="checkbox"/>	110	18	210	9	** Reissue claims in excess of 20 and over original patent	<input type="checkbox"/>																																																																																																						
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**or number previously paid, if greater; For Reissues, see above

SUBMITTED BY Complete (if applicable)					
Name (Print/Type)	Paul M. Rivard	Registration No. Attorney/Agent)	43,446	Telephone	202-508-9100
Signature				Date	October 12, 2001

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.